

Microsoft® Windows NT™

Hardware Compatibility List

The following computers, device adapters, storage devices, printers, pointing devices and keyboards have been tested using the July, 1992 Preliminary Release of Microsoft Windows NT. This list is a subset of the hardware we expect to support in the final product and was current at the time it was published. If your hardware is not listed below, contact your hardware manufacturer for more information. We have not tested every computer and/or device in all possible configurations.

We expect these and additional systems to run on the October Beta Release of Windows NT. An updated version of this list is available in Library 1 of the WINNT forum (GO WINNT) or Library 17 of the MSWin32 forum (GO MSWIN32) on CompuServe Information Services.

Intel 80386/80486 Uniprocessor Computers

Any computer 100% compatible with those listed below.

ACER AcerFrame 1000/33	Compaq Deskpro 386/33	Everex Step 486DX2/50 EISA 12
ACER AcerFrame 500 (Model FT33TE)	Compaq Deskpro 386/33L	Everex Step 486DX2/50 EISA 8
ACER AcerFrame 500 (Model FT50TE)	Compaq Deskpro 386s/20	Everex Tempo 386/25
ACER AcerFrame 500 (Model FT66TE)	Compaq Deskpro 486/25	Everex Tempo 386/33 Modular
ACER AcerPower 486/33	Compaq Deskpro 486/33L	Everex Tempo 386SX/25
Adaptive Data System Professional 486 System	Compaq Deskpro 486/33M	Everex Tempo 486/33
ADD-X Systemes 386/40Mhz	Compaq Deskpro 486/50L	Everex Tempo 486DX2/50
Alfa Deltacom 386-33	Compaq Deskpro 66M	Everex Tempo 486DX2/50 Desktop
Alfa Deltacom 386sx-25	Compaq Portable 486c	Everex Tempo 486DX2/50 EISA
Alfa Deltacom 486-33	Compaq Prosignia 486DX2/66	Everex Tempo 486SX/20
Alfa Deltacom 486-50	Compaq Systempro 486/50 XL	Everex Tempo 486SX/25
Alfa Deltacom 486sx-25	Compaq Systempro 486DX/2 66	Everex Tempo 486SX25 Desktop
ALR BusinessVEISA 386DX/33	Compaq SystemPro/LT 486DX2/66	Everex Tempo C-Series 386/25c
ALR BusinessVEISA 486/33	Compaq SystemPro/LT 486sx/25	Everex Tempo C-Series 486/33c
ALR BusinessVEISA 486DX2/66	CompuAdd 420s	Evergreen Systems Capcard
ALR Flyer 32DT 4DX/33	CompuAdd 433	G2 80386/40
ALR Flyer 32DT 4SX/25	CompuAdd 433E	G2 80486/50
ALR MPS 486/33	Cube 340 ATX	G2 80486DX/50E
ALR PowerFlex Flyer 32LTC	Cube 433 ATX	G2 80486sx/25
ALR PowerFlex Flyer 386sx/25	Cube 450 ATX	Gateway 2000 386-33
ALR PowerPro SMP	DCI 486SX-25	Gateway 2000 386SX-20C
ALR ProVEISA 486DX/33MHz	Dell PowerLine System 325	Gateway 2000 486/33C
ALR ProVEISA 486DX2/66	Dell PowerLine System 433DE	Gateway 2000 486/33E
ALR ProVEISA 586DX/50MHz	Dell PowerLine System 433SE	Gateway 2000 486DX2/50
ALR ProVEISA DMP 486DX/33	Dell PowerLine System 450DE	Gateway 2000 486DX2/50E
ALR ProVEISA SMP 486DX/33	Dell PowerLine System 450DE/2 DGX	Goldstar GS386DXM
ALR Ranger M486DX/25	Dell PowerLine System 450SE	GRiD 486ei-33
ALR Ranger M486SX/25	Dell PowerLine System 486D/33	GRiD MFP/425s
ALR Ranger MC486DX/25	Dell PowerLine System 486D/50	GRiD MFP/425s+
ALR Ranger MC486SX/25	Dell PowerLine System 486P/33	GRiD MFP/433s+
Altos System 4500 Model 4520	Digital Equipment Corp. DECpc 425ST	GRiD MFP/450
Altos System 4500 Model 4533	Digital Equipment Corp. DECpc 433ST	GRiD MFP/450+
Altos System 4500 Model 4550	Digital Equipment Corp. DECpc 433T	GRiD MFP/466+
Altos System 4500 Model 4566	Digital Equipment Corp. DECpc 450ST	Hancke & Peter 386w Professional
Apricot Qi 486DX	Digital Equipment Corp. DECstation 425c	Hancke & Peter 486w Professional
ARCHE 402H	Dolch 486/50 ISA	Harris Epoch 486-50 ISA
Ariel 486-33 Vesa Local Bus	Dolch P.A.C. 386-33C	HP Vectra 386/25
ASI 486/33MHZ	Dolch P.A.C. 486-33C	HP Vectra 486/25T
ASI 9000 386DX	Elonex PC-4xx M/B	HP Vectra 486/25U
ASI 9000 386SX	Epson 48633\DX Express Station	HP Vectra 486/33T
ASI 9000 486DX	Epson 486SX\25 Express Station	HP Vectra 486/33U
AST Power Premium 4/33 Model 213V	Epson EISA Series 486DX/33	HP Vectra 486/50U
AST Premium 386/33T	Epson EISA Series 486DX/50	HP Vectra 486/66ST
AST Premium 486/33E	Epson EISA Series 486\25	HP Vectra 486/66U
AST Premium II 386/33 Model 213V	Epson Equity 386DX/33 PLUS	HP Vectra 486S/20
AST Premium II 486/33	Epson Equity 386SX/25 PLUS	HP Vectra RS/25C
AST Premium SE 4/33 Model 333	Epson Equity EISA 486DX/50	IBM PS/2 Model 70 386
Compaq Deskpro 386/20e	Everex Step 386/33	IBM PS/2 Model 70 486
Compaq Deskpro 386/25	Everex Step 486/25 Desktop	IBM PS/2 Model 80 386/25
Compaq Deskpro 386/25e	Everex Step 486/33 ISA	IBM PS/2 Model 90 XP

IBM PS/2 Model 95 XP 486
 IBM PS/2 Model P75
 ICL Alfaskop DS 458 Eisa
 ICL CX486
 ICL CXe486
 ICL FX486/50
 ICL System Platform FX486/50
 Intel 486DX Workstation
 Intel LP 486/33E
 Intel X486/50E
 Interface Electronic AR486OPT-33 M
 Ipex 486DX-33 DESKTOP
 Ipex 486DX-33 LOCAL BUS
 Ipex 486DX-33 LOW PROFILE
 Ipex 486DX-33 MINI-TOWER
 Ipex 486DX50 DESKTOP EISA
 Ipex CENTRA 2000 486 EISA
 Iverson 486/33 LOCAL BUS
 Kontron IpLite Color 486/33
 KT Technology KT386DX40
 KT Technology KT486DX33
 KT Technology KT486DX50
 L.E.M. Technologies Sys38640/M
 Leading Edge D4/33
 Magitronic B341Q
 Magitronic B433EISA
 Magitronic B451C
 Magitronic B466EISA
 Magitronic G-MM 340-130-4M
 MiTAC 4280GA
 MiTAC 4280H
 MiTAC LEGO 4060 G/M
 National Instruments VXlpc-486 Model 500
 NCR 3000 Model 3335
 NCR 3000 Model 3345
 NCR 3000 Model 3445
 NCR 3000 Model 3447
 NCR StarStation
 NEC Powermate 386/25S
 NEC Powermate 486/33e
 NEC PowerMate 486/33i
 NEC PowerMate 486/50e
 NEC PowerMate 486/50i
 NEC Powermate 486sx/25e
 NEC PowerMate 486SX/25i
 NEC PowerMate DX2/50e
 NEC PowerMate DX2/66e
 NEC ProSpeed 486SX/C
 Nimrod 486/50 TP
 Northgate Elegance 433i
 Northgate Elegance SP 433
 Oki if486VX510
 Oki if486VX530
 Oki if486VX530D
 Olivetti LSX5010
 Olivetti LSX5020
 Olivetti LSX5030
 Olivetti M380/XP9
 Olivetti M400-40
 Olivetti M400-60
 Olivetti M480-40
 Osbourne 450DI
 Osbourne 450PE
 Packard Bell 400DX/33
 Packard Bell 400DX/50
 Packard Bell 400DX2/50
 Packard Bell 400SX-25
 Packard Bell 470
 Packard Bell 486CDM
 Packard Bell 486DX2/50
 Packard Bell 495
 Packard Bell 515E
 Packard Bell 525E

Packard Bell 545E
 Packard Bell 550
 Packard Bell 560
 Packard Bell 566E
 Packard Bell AXCEL 450
 Packard Bell AXCEL 460
 Packard Bell AXCEL 486/33
 Packard Bell AXCEL 530
 Packard Bell AXCEL 550
 Packard Bell AXCEL 570
 Packard Bell AXCEL 850
 Packard Bell EXECUTIVE 486/33
 (including EL, Elite, F and G models)
 Packard Bell EXECUTIVE 486SX-4G
 Packard Bell FORCE 425
 Packard Bell FORCE 486/25
 Packard Bell FORCE 486/25EX
 Packard Bell FORCE 486/33
 (including +, -M1, -M210, E, G, F, J,
 JW, and PLUS models)
 Packard Bell FORCE 48625
 Packard Bell FORCE 486CDM-1/TV
 Packard Bell FORCE 486SX/25
 (including G and W models)
 Packard Bell FORCE 515S
 Packard Bell FORCE 525
 (including B and S models)
 Packard Bell FORCE 545
 (including B and S models)
 Packard Bell FORCE 565
 Packard Bell FORCE 565S
 Packard Bell FORCE 600
 (including B and S models)
 Packard Bell LEGEND 486CDM-1/TV
 Packard Bell LEGEND 625
 Packard Bell LEGEND 660
 (including ELITE and H models)
 Packard Bell LEGEND 670
 Packard Bell LEGEND 700
 Packard Bell LEGEND 700 ELITE
 Packard Bell LEGEND 740
 Packard Bell LEGEND 750 SUPREME
 Packard Bell LEGEND 770
 Packard Bell LEGEND 770 ELITE
 Packard Bell LEGEND 780
 Packard Bell LEGEND 790
 Packard Bell LEGEND 800 SUPREME
 Packard Bell LEGEND 800 SUPREME/50
 Packard Bell LEGEND 925G
 Packard Bell LEGEND 925J
 Packard Bell LEGEND 933
 (including SUPREME, G, G ELITE, J,
 J ELITE, and J+ models)
 Packard Bell LEGEND 950
 Packard Bell LEGEND 950 ELITE
 Packard Bell LEGEND M950
 Packard Bell PACKMATE 486
 Packard Bell PACKMATE 486/33
 (including G and J models)
 Packard Bell PACKMATE 48625
 Packard Bell PACKMATE X225
 Packard Bell PACKMATE X230
 Packard Bell PACKMATE X233
 Packard Bell PACKMATE X240
 Packard Bell PACKMATE X250
 Packard Bell PACKMATE X250Y
 PC-Brand Leader 386/40 Cache
 PC-Brand Leader 486/33
 PC-Brand Leader 486/50
 PC-Brand Leader 486dx2/66
 PC-Brand PCB500 486dx/33
 Peacock 386DX 40
 Peacock 486DX 50

Philips P3450B
 Positive by Tandon 386/40 Cache
 Positive by Tandon 486/33
 Positive by Tandon 486/50
 Positive by Tandon 486dx2/66
 Positive PC1000 486dx/33
 Protech 386DX-40MHz ISA
 Protech 486-33MHz ISA
 Protech 486DX-50MHz EISA
 RDlpc 486PQFP
 RDlpc i486DX2/50c
 Samsung DeskMaster 486S/25N
 Sidus SCI model 486/33
 Siemens-Nixdorf PCD-4Gsx/20
 Siemens-Nixdorf PCD-4T/33
 Siemens-Nixdorf PCD-4Tsx25
 Siemens-Nixdorf PCE-4C
 Siemens-Nixdorf PCE-4Rsx/25
 Siemens-Nixdorf PCE-4T/33
 Siemens-Nixdorf PCE-4T/50
 SKAI Desktop 486-33/128K
 SKAI Tower 486LB/E-50 / 256K
 SPC Ergoline 486/50
 SPC Ergoline 486/DX2-66
 Swan 386/33M
 Swan 386SX/25
 Swan 486/33DB
 Swan 486DX2-50DB
 Swan 486SX/25DB
 Syncomp Mini 486i-33
 Tandon 386/40 Cache
 Tandon 486/33
 Tandon 486/50
 Tandon 486dx2/66
 Tandon Option 486dx/33
 Tandy 4820SX/T
 Tandy 4825SX
 Tandy 4833 LX/T
 Tandy 4850EP
 Tandy 4866LX/T
 Tattung TCS9300T3316
 Terran Microbyte Lyrebird model 451
 Texas Instruments TravelMate 4000 Series
 Tiki-Data 486 33 Mhz
 Tomtronik HIGHNAME 386-40 MHz
 Toshiba T4400SX
 TriGem 486/33mm
 TriGem 486/50F
 Tulip DC486sx-20
 Tulip DE/TR 486DX E/50
 Tulip DE/TR 486DX E/66
 Tulip DE/TR 486DX/E
 Viglen EX-Series
 Viglen Genie 4DX33
 Viglen Genie 4DX66
 Wang Microsystems EC 480/33C
 Wang Microsystems PC 350/40C
 Zenith Data Systems Z-386/33
 Zenith Data Systems Z-386/33E
 Zenith Data Systems Z-486/25E
 Zenith Data Systems Z-486/33E
 Zenith Data Systems Z-486/33ET
 Zenith Data Systems Z-486/SX 20
 Zenith Data Systems Z-486/SX 25
 ZEOS 386DX-33CDT
 ZEOS 486-50CW
 ZEOS 486DX-33CDT
 ZEOS 486DX/33EISA
 ZEOS 486DX/33ISA
 ZEOS 486DX/50
 ZEOS 486SX-20DT
 ZEOS Upgradable Local Bus DX2-66

Intel 80486 Multiprocessor Computers

Any computer 100% compatible with those listed below.

ACER AcerFrame 3000 MP
ALR PowerPro DMP 486/33
Compaq SystemPro Dual 486/33
NCR 3000 Model 3450
NCR 3000 Model 3550
Wyse 7000i

MIPS ARC/R4000 Computers

Any computer 100% compatible with those listed below.

ACER ARC1
MIPS ARCSysMagnum PC
MIPS ARCSysMagnum SC
Olivetti M700-10
Olivetti PWS4000

Display Adapters

The following display adapters have been tested.

IBM VGA (640x480x16)
Headland Technology/Video 7 VRAM
VGA (1024x768x16, 800x600x16)
Headland Technology/Video 7 VRAM II
(1024x768x16, 800x600x16)
Orchid ProDesigner IIs (1024x768x16,
800x600x16)
TSENG Labs ET4000 (1024x768x16,
800x600x16)
IBM XGA (1024x768x256)
DELL DGX (1280x1024x256)
S3-based adapters¹

Native display adapter on MIPS
ARC/R4000 systems from ACER, MIPS and
Olivetti (1280x1024x256, 1024x768x256)

Disk Controllers

Any controller 100% register compatible with the following.

Western Digital 1003 (ESDI, IDE)
Compaq Intelligent Drive Array

SCSI Host Adapters

The following SCSI adapters have been tested.

Adaptec AHA-1540b/1542b
Adaptec AHA-1640
Adaptec AHA-1740
DPT PM2012B¹
Future Domain MCS-600

Future Domain MCS-700
Future Domain TMC-845
Future Domain TMC-850
Future Domain TMC-850M(ER)
Future Domain TMC-1660
Future Domain TMC-1680
Future Domain TMC-7000EX
IBM SCSI Host Adapter²
Maynard 16-Bit SCSI Adapter³
NCR 53C700 SCSI Controller
NCR 53C710 SCSI Controller¹
NCR 53C90 SCSI Controller¹
Olivetti ESC-1
UltraStor 14F¹
UltraStor 24F¹

Native SCSI adapter on MIPS ARC/R4000 systems from ACER, MIPS and Olivetti

Network Adapters⁴

The following network adapters have undergone preliminary testing.

3Com Etherlink II^{5,6}
3Com Etherlink II / TP
3Com Etherlink / MC
3Com Etherlink 16
3Com Etherlink II / 16
DEC EtherWORKS LC
DEC EtherWORKS Turbo / TP
IBM Token Ring 16/4⁶
IBM Token Ring 16/4A
Novell NE2000¹
Novell NE3200
SMC (WD) EtherCard Plus (WD 8003EP)
SMC (WD) EtherCard Plus (WD 8013WB)
SMC (WD) EtherCard Plus Elite/A (WD 8013EP/A)⁵
SMC (WD) EtherCard Plus Elite 16 (WD 8013EWC)
Ungermann-Bass NIU Series¹

Native Ethernet adapter on MIPS
ARC/R4000 systems from ACER, MIPS and
Olivetti

Multimedia Audio Adapters

The following audio adapters have been tested.

Creative Labs SoundBlaster
Creative Labs SoundBlaster Pro

SCSI CD-ROM Drives

The following CD-ROM drives have been tested with the listed SCSI host adapters.

CD Technology CD Porta-Drive T-3301
Chinon CDX-431
DEC RRD 42-DA
Denon DRD 253
Hitachi CDR-1750S
NEC Intersect CDR-73(M)
NEC Intersect CDR-84
Pioneer DRM-600
Sony CDU-541
Sony CDU-6211
Sony CDU-7211
Toshiba TXM-3201
Toshiba TXM-3301

SCSI Tape Drives

The following tape drives have been tested.⁷

Archive Python DAT (Maynstream
1300DAT)

Printers

Any printer 100% compatible with those supported by the Windows 3.1 retail product. No plotter support included.

Pointing Devices

Any mouse 100% compatible with the Microsoft Mouse.

Keyboards

Any keyboard 100% compatible with those listed below.

101/102-key
IBM AT 84-key

¹ This adapter is supported in the Windows NT Beta Release. Compatibility test results are available on Compuserve.

² Earlier versions of this controller have proven to have problems with various CD-ROM drives. The Chinon CDX-431 and NEC Intersect CDR-73 are known to work with this controller.

³ The Maynard SCSI Adapter can be used as a general purpose SCSI controller for all tasks but graphical setup.

⁴ Full NDIS 3.0 conformance testing will be available in the future through Microsoft Compatibility Labs.

⁵ This adapter has been successfully tested in multiprocessor systems.

⁶ This adapter has been successfully tested in MIPS ARC/R4000 systems.

⁷ SCSI tape functionality has been successfully tested with the AHA-154x/174x, Maynard 16-Bit SCSI Adapter, and native SCSI adapters on ARC/R4000 systems from ACER, MIPS and Olivetti. This is known to fail on other SCSI adapters at this time.

While we have endeavored to supply as complete and accurate a list as possible, MICROSOFT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE COMPLETENESS AND ACCURACY OF THIS LIST. This list does not constitute an endorsement of any particular manufacturer.

Microsoft is a registered trademark, and Windows and Windows NT are trademarks of Microsoft Corporation. Other product names and trademarks are property of their respective owners.

Microsoft